Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/18/2017 11:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124692	-1	1.55	124553	1.49
Blue	F	SSC	125000	124150	-1	2.95	124567	2.81
Blue	E	FITC	23355	22741	-3	2.39	1008	9.92
Blue	D	PE	28848	28199	-3	1.98	1011	9.31
Blue	B	PerCP-Cy5-5	47791	47405	-1	3.21	1361	16.43
Blue	A	PE-Cy7	41358	40750	-2	4.97	633	34.05
Red	C	APC	51316	50412	-2	2.70	2918	9.31
Red	A	APC-Cy7	53225	52199	-2	2.70	1081	11.14
Violet	B	V450	14473	13701	-6	3.31	660	8.69
Violet	A	V500	59973	58368	-3	2.99	2591	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19899	3.00	603	5	N/A	N/A	Pass
Blue	F	SSC	61843	1.89	533	-1	N/A	N/A	Pass
Blue	E	FITC	115	39.20	540	-4	0.0229	272	Pass
Blue	D	PE	223	27.20	534	-4	0.1766	222	Pass
Blue	B	PerCP-Cy5-5	214	43.93	626	-4	0.0108	112	Pass
Blue	A	PE-Cy7	70	114.69	677	-4	0.0129	18	Pass
Red	C	APC	342	26.64	589	-5	0.0208	29	Pass
Red	A	APC-Cy7	119	40.30	570	-6	0.0057	1697	Pass
Violet	B	V450	79	41.93	476	5	0.0460	1853	Pass
Violet	A	V500	188	22.81	508	7	0.0131	252	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/18/2017 11:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.71	-31.56	0.81
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.84	13.27 - 19.91	N/A	N/A	31.82	32.14	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13993

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments